

1 – 16. (canceled)

17. (currently amended) A system for maintaining qualification of an operator using an authentication recording medium, the system comprising:

an authentication recording medium stores readable identification data and readable/writable skill ~~authenticable~~ authentication data;

a terminal for maintenance operation of an object system or device at work sites comprises an authentication recording medium read/write device;

a mobile terminal comprises an authentication recording medium read/write device;

a data management server; and

a PC for education comprises an authentication recording medium read/write device, wherein

the system for maintaining qualification of an operator uses an authentication recording medium to carry out a maintenance operation of object system or device at work sites by the medium being inserted into the authentication recording medium read/write device for terminal for maintenance operation, and is connected to the data management server via the mobile terminal and communication network and connected to the PC for education via a local area network for sending or receiving data,

the data management server comprises a database for data regarding work or operation status and a database for quality management data, and has a function to collect and analyze [[the]] uploaded data, make a decision and download the decision contents to the authentication recording medium as skill authentication data,

the PC for education comprises an authentication recording medium data reading/writing application program and an educational application program and a work application program which are programs for educating operator, and has a function to provide educational material for self-learning regarding various operations, and a function to transmit a result of learning performed by the operator to the data management server via [[a]] the local area network, receive a content of [[the]] a determination from the data management server via the local area network and additionally record/update the same by the

authentication recording medium read/write device to the authentication recording medium as skill authentication data.

18. (currently amended) The system for maintaining qualification of an operator using an authentication recording medium according to claim 17, wherein

the skill authentication data stored in the authentication recording medium includes operation authority for an object system or device to be managed/maintained at a work site, operation qualification level, expiration data of operation qualification level and contents of operation record including time, number of times and name of apparatus.

19. (currently amended) The system for maintaining qualifications of an operator using an authentication recording medium according to claim 18, wherein

the skill authentication data stored in the authentication recording medium further ~~included~~ includes data regarding work or operation status such as continuous work time and past quality management data such as operation error.

20. (currently amended) The system for maintaining qualification of an operator using an authentication recording medium according to claim 17, wherein

the mobile terminal has a function to read the data stored in the authentication recording medium by the authentication recording medium read/write device and send the same to the data management server via ~~[[the]]~~ a communication network, and a function to additionally record or update ~~[[the]]~~ data received from the data management server in the authentication recording medium by the authentication recording medium read/write device.

21. (currently amended) The system for maintaining qualification of an operator using an authentication recording medium according to claim 20, wherein

~~[[the]]~~ contents to be downloaded to the authentication recording medium includes operation authority for an object system ~~[[of]]~~ or device to be managed/maintained at a work site, operation qualification level, expiration data of operation qualification level.

22. (currently amended) The system for maintaining qualification of an operator using an authentication recording medium according to claim 21, wherein

[[the]] contents to be downloaded to the authentication recording medium further include data regarding work or operation status such as continuous work time and past quality management data such as operation error.

23. (original) The system for maintaining qualification of an operator using an authentication recording medium according to claim 17, wherein

upon receiving an urgent operation approval data registered by an administrator, the data management server holds a function to download the data via the mobile terminal to the authentication recording medium by the authentication recording medium read/write device.

24. (currently amended) The system for maintaining qualification of an operator using an authentication recording medium according to claim 23, wherein

the system further comprises a maintenance operation terminal for managing/maintaining [[the]] an object system [[of]] or device to be managed/maintained at a work site by using the authentication recording medium,

the maintenance operation terminal comprising the authentication recording medium read/write device, an operation application program and an authentication application program for the authentication recording medium, the maintenance operation terminal has a function to read [[the]] data recorded in the authentication recording medium through the authentication recording medium read/write device, confirm identification authentication based on [[the]] identification authentication data, and authenticate a certain range of operation based on the skill authentication data; and

after performing a maintenance operation, the maintenance operation terminal ~~for maintenance operation~~ has a function to log the contents of an operation record by the operator and to store the contents of the operation record to the authentication recording medium by the authentication recording medium read/write device.